LABDEX

Low Speed Refrigerated Centrifuge
LX105LSR

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Description

Low speed refrigerated centrifuge LX105LSR is a microprocessor controlled unit with a speed of 5000 rpm. LCD screen display various parameters like speed, time and RCF for viewing and monitoring parameters. Protective functions like over speed, mal operation, machine self-diagnose, door interlock, stainless chamber and double protective containment structure ensure the machine safety. Operation data and error code can be copied by USB for easy record.

Specifications

Maximum speed	5000 rpm
Maximum RCF	6100 x g
Maximum capacity	4 x 1000 ml
Timer range	1 min to 99 hr 59 min
Speed accuracy	± 10 rpm
Temperature setting range	-20 °C to 40 °C
Temperature accuracy	± 1 ℃
Compressor unit	Non-CFC (R404a)
Noise	≤ 65 dB
Power	3000 W
Power supply	AC 220 V ± 22 V 50 Hz 15 A
Dimension	700 x 880 x 930 mm
Weight	260 kg

Packing dimension	910 x 1000 x 1160 mm + 780 x 580 x 450 mm
Gross weight	280 kg + 60 kg

Features

- Speed - 5000 rpm
- Microprocessor controlled system
- LCD display that indicates speed, time and RCF in operation
- Three tier protective steel covering
- Automatic electric lid lock that provides protection against over speed and temperature and imbalance
- Operation data and error code can be copied by USB for easy record
- Enables easy and quick loading of samples
- Optional rotors available

Applications

- Used in biochemical and clinical labs for precipitate separation and serum analysis, in pharmaceutical industry etc. and is perfect for DNA, RNA, PCR or antibody analysis

Rotor Selection

Rotor name	Maximum speed (rpm)	Maximum capacity (ml)	Maximum RCF (×g)
Angle rotor R1	5000	6 x 500	4640
Angle rotor R2	5000	4 x 1000	6100
Angle rotor R3	5000s	6 x 500	5980

Adapter Selection

Name of Adapter		Maximum capacity (ml)
A1 for rotor R1		6 x 250
		6 x 50 (falcon)
		6 x 10 x 5
		6 x 100
		6 x 7 x 15 (falcon)
		6 x 50
		6 x 7 x 10
A2 for R2	4 x 1000 ml	4 x 500
		4 x 14 x 15
		4 x 300
		4 x 37 x 7
		4 x 3 x 100
		4 x 24 x 5
	1000 ml	4 x 5 x 50 (falcon)
		4 x 28 x 1.5
		4 x 5 x 50
		4 x 200 ml blood bags

		4 x 14 x 15 (falcon)
		4 x 250 (falcon)
	Oval bucket	4 x 1000
	4 x 1000	
A3 for R3	Round bucket	6 x 300
		6 x 3 x 50
	6 x 500 ml	6 x 100
		6 x 7 x 20
		6 x 19 x 5
		6 x 9 x 15
	Rectangular bucket	6 x 10 x 15 (falcon)
		8 x 5 (vacuum tube)
		6 x 10 x 15
		6 x 4 x 50 (falcon)
		6 x 20 x 10
		6 x 4 x 50
		6 x 25 x 1.5
		6 x 250

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